INDEX

By HARRY HELSON, University of Kansas

AUTHORS

(The names of authors of articles are printed in SMALL CAPITALS)

Adams, H. F. 147
Allier, R. 464
ASHBAUGH, E. J. 315

Balfour, Lord 140
BANISTER, H. 436
BAXTER, M. F. 59
Bernard, L. L. 655
BERRY, W. 584
BILLS, A. G. 227
Bisch, L. E. 152
BISHOP, H. G. 648
Boas, I. 306
Boodin, J. E. 296
Book, W. F. 303
BORING, E. G. 125, 475, 489
Bousfield, P. 467
BRUES, A. M. 624
BURNETT, N. C. 418
Burns, C. D. 468
Byers, R. P. 305

CALKINS, M. W. 441
Carmichael, L. 467
CHOU, S. K. 487, 664
Collins, M. 145
CULLER, E. 307

DALLENBACH, K. M. 156, 285, 316, 418, 479, 667
Dearborn, W. F. 467
Dercum, F. X. 302
Dewey, J. 468
DICKINSON, C. A. 266
Dotterer, R. H. 304
DOWNEY, J. E. 317
Drake, D. 298
Drever, J. 145
Dunlap, K. 458
Dutton, H. P. 152

Ellis, D. C. 466

FARNSWORTH, P. R. 453
FARROW, E. P. 660
FERNBERGER, S. W. 113, 120, 155, 478
FERREE, C. E. 292
Fischer, O. 146
FLEMING, E. G. 128
Freud, S. 459
Fröschels, E. 301, 658
Furfey, P. H. 306

GENGERELLI, J. A. 639
Gordon, R. G. 466
GRANT, W., Jr. 130
GUILFORD, J. P. 534
GUNDLACH, R. 469, 669
Gutmann, B. 657

HALVERSON, H. M. 97, 294
Hohenemser, R. 148
Hollingworth, H. L. 654

Jean, J. 149
JENKINS, J. G. 285
Johnson, W. E. 142
JUDD, D. B. 107, 507
Jung, C. C. 651

KEPLER, H. 449

Laird, J. 465
LANGFELD, H. S. 312
Leuba, J. H. 150
Lipmann, O. 305
Lord, E. 467
LUFKIN, H. M. 666

MACDONALD, A. 153
MacGeoch, J. A. 280
Malinowski, B. 301
MCBROOM, N. 449
McCarthy, S. A. 305
McDougall, W. 456
MCGINNIS, J. M. 295
METCALF, J. T. 607

NEWHALL, S. M. 390

INDEX

By HARRY HELSON, University of Kansas

AUTHORS

(The names of authors of articles are printed in SMALL CAPITALS)

Adams, H. F. 147
Allier, R. 464
ASHBAUGH, E. J. 315

Balfour, Lord 140
BANISTER, H. 436
BAXTER, M. F. 59
Bernard, L. L. 655
BERRY, W. 584
BILLS, A. G. 227
Bisch, L. E. 152
BISHOP, H. G. 648
Boas, I. 306
Boodin, J. E. 296
Book, W. F. 303
BORING, E. G. 125, 475, 489
Bousfield, P. 467
BRUES, A. M. 624
BURNETT, N. C. 418
Burns, C. D. 468
Byers, R. P. 305

CALKINS, M. W. 441
Carmichael, L. 467
CHOU, S. K. 487, 664
Collins, M. 145
CULLER, E. 307

DALLENBACH, K. M. 156, 285, 316, 418, 479, 667
Dearborn, W. F. 467
Dercum, F. X. 302
Dewey, J. 468
DICKINSON, C. A. 266
Dotterer, R. H. 304
DOWNEY, J. E. 317
Drake, D. 298
Drever, J. 145
Dunlap, K. 458
Dutton, H. P. 152

Ellis, D. C. 466

FARNSWORTH, P. R. 453
FARROW, E. P. 660
FERNBERGER, S. W. 113, 120, 155, 478
FERREE, C. E. 292
Fischer, O. 146
FLEMING, E. G. 128
Freud, S. 459
Fröschels, E. 301, 658
Furfey, P. H. 306

GENGERELLI, J. A. 639
Gordon, R. G. 466
GRANT, W., Jr. 130
GUILFORD, J. P. 534
GUNDLACH, R. 469, 669
Gutmann, B. 657

HALVERSON, H. M. 97, 294
Hohenemser, R. 148
Hollingworth, H. L. 654

Jean, J. 149
JENKINS, J. G. 285
Johnson, W. E. 142
JUDD, D. B. 107, 507
Jung, C. C. 651

KEPLER, H. 449

Laird, J. 465
LANGFELD, H. S. 312
Leuba, J. H. 150
Lipmann, O. 305
Lord, E. 467
LUFKIN, H. M. 666

MACDONALD, A. 153
MacGeoch, J. A. 280
Malinowski, B. 301
MCBROOM, N. 449
McCarthy, S. A. 305
McDougall, W. 456
MCGINNIS, J. M. 295
METCALF, J. T. 607

NEWHALL, S. M. 390

Odum, H. W. 152
Ogden, R. M. 143

Pattie, F. A., Jr. 39
Peterson, J. 481
Piaget, J. 299
Poffenberger, A. T. 659
Pritchard, W. 449
Pruette, L. 134

Rand, G. 292
Reimer, I. 449
Révész, G. 463
Rignano, E. 297
Ruckmick, C. A. 156, 485, 647

Sanborn, H. C. 1
Skaggs, E. B. 153
Squires, P. C. 313, 462
Stekel, W. 461
Stone, C. P. 403
Sturman-Huble, M. 403
Symmes, E. G. 432

Tassy, E. 151
Thalbitzer, S. 149
Thornborough, L. 466
Thouless, R. H. 315
Thuma, B. D. 453
Thurstone, L. L. 368
Tinker, M. A. 453
Twitmyer, E. B. 113

Urban, F. M. 252

Van Loon, F. G. H. 315
Vivante, L. 300
Vogt, H. G. 130

Wahl, J. 468
Wakeman, S. 154
Wallon, H. 151
Washburn, M. F. 449
Watson, J. B. 135
Weber, C. O. 597
Wechsler, D. 303
Weiss, A. P. 669
Wentscher, M. 152
Wever, E. G. 194
Whitehead, A. N. 138
Whitely, P. L. 280
Whitmore, C. E. 21
Wideman, W. C. 650
Wilkinson, G. W. 257
Wilson, M. O. 409
Winslow, C. E. A. 465

Young, P. T. 157

SUBJECTS

Abnormal psychology, 456
Accommodation theory, 536 ff., 541
Achievement, in college work, 414
Action current, 259
Activity, psychic, 151
Acuity, visual, 329
Adaptation, 523 ff.; fluctuations and, 541 ff., 565
Adornment, bodily, 1
Aesthetic preferences, 432
Affection, 157 ff.; ambiguity of term, 164 ff.; as meaning, 161; as sensory process, 161
Affective psychology, logic of, 186
After-image, color sequences in, 584 ff.; explanation of, 526 ff.; flash, 513 ff.; heat, 428 ff.; Hering, 508 ff.; phases in, 507 f., 586 ff.; positive and negative, 509 ff.; Purkinje, 107, 507
All-or-none principle, 258, 262, 577, 580
Ambiguity, of psychological terms, 164
Ambiguous stimuli, 196
American Psychological Association Meetings, 312
Analysis, psychophysical, 368
Apathy, sexual, 3 f., 13
Apparatus, 12 ff.; 292 ff.; to actuate tonal cylinders, 120 ff.; to control stationary lights, 107 ff.; to demonstrate heat, 119; demonstration tachistoscope, 113 ff.; economy in, 650; heat grill, 119, 648 f.; oscillator, audio-frequency, 43 f., 293 ff.;

Roberts inductorium and speed reducer, 116 ff.; Sanford chronoscope, 647; stylus maze, 647
Apparent movement, 130
Apperception, 536
Appetite, sex, 403 ff. (See Sex)
Artist, psychology of, 27
Association, 147 f., 286
Attention, 39, 41, 56, 62, 105; 146ff., 227f., 639; accommodation and, 563 ff.; adaptation and, 541 f.; eye-movements and, 543 ff.; fluctuations of, 534 ff.; range of, 478 ff.; rhythm of, 535, 539, 551; theories of, 565 ff.; two level theory of, 534, 584; and limen, 537 ff., 583; wave, 539
Attitude, 198; feeling as, 168; sensorial, 170
Audio-oscillator, 43 ff., 294
Audition, attributes of, 436
Auditory fatigue, 39 ff., 49 ff.; localization, 41, 97 ff.; nonspecificity of, 50 ff.; and stimulus, 52; theory, 436
Aufgabe, 624, 630
Autokinetic sensation, 581
Aversion, 457

Background, effect of, on brightness preferences, 607 ff., 614
Basilar fibre, part played by, in hearing, 262
Basilar membrane, lesions in, 437
Beats, 624
Behavior, 144, 661
Behaviorism, 135 ff., 143, 144; basic error of, 606; postulates of, 469 ff., 669; and thinking, 660
Belief in God, 150
Bidwell's ghost, 508, 514, 517, 526, 531
Bio-luminescence hypothesis, 525
Blue arcs, 527
Bluffing, 155
Bone measurements, 340
Brightness, pleasantness and, 607 ff.; of stimulus and after-image, 513

Cadential effect, 628
Calibration of Koenig cylinders, 125
Central analysis of tone, 257
Central fatigue, tests of, 565 ff., 568 ff., 573
Charpentier's illusion, 581
Child, drawings of, 305; language and thought of, 299 f.; psychology of, 151
Choice, the self in, 441
Clairvoyance, 147
Clang, 40
Clearness, 534 f., 543 f.; attention and, 478 ff.; and intensity, 171; and feelings, 171
Clothing, function of, 1
Cochlea, mechanism of, 257
Cognition, 478
Cold, paradoxical, 418 ff., 424
College students, interests of, 409
Color temperature, 612
Colors, cycles of, 591 ff.; flight of, 584 ff.; initial and terminal, 591 ff.; pleasantness and, 607
Conation, 148
Concepts, growth of, 639 ff.; interference of, 639
Conception, nature of, 639
Cones, 536
Configuration, 638
Consciousness, 23, 24, 302, 536; of effort, 228, 250; as figure-ground, 200; position of behaviorists on, 663 ff.; and the self, 441 ff.; social, 459; religious, 141; of value, 21
Conservatism, 449 ff.; in women, 449
Consonance, 626
Constant stimuli, method of, 390 ff.; accuracy of, 252 ff., 309 ff., 668 f.; control of, 295
Continuum, psychological, heat in the, 423; measurement of, 371
Contour, 204 ff., 266, 270 ff., 276
Contrast, brightness, effect of, upon preferences, 607 ff., 622
Conversion, 464
Cornell doctorates in psychology, 506
Correlation, tests of temperament, 61 ff., 95; of personality tests, 128
Crime, among savages, 301
Crypthesis, 147
Custon, savage, 301
Cyclophoria, 327
Cylinders, Koenig, 120 ff.; calibration of, 125

Datum, psychological, 189
Deafness, 264
Death, study of, 153
Defence, psychic, 306
Delusions, explanation of, 482
Desire, 458; infantile, 663
Dextrality, types of, 317 ff.; crossed, 327
Dextropedality, 337
Direction, of sound, 439
Discriminal differences, as sense distance, 377; dispersion, 372 ff.; limen, 378 ff.; processes, 369
Dissociation, James' law of, 639
Distance, judgments of, under load, 599
Drive, 458
Dschagga, laws of the, 657
Duration, judgment of, under load, 601

Education, conference, 315 f.; motion picture and, 466 f.; psychology and, 143
Effort, mental efficiency and, 227 ff.; time, space and, 599 ff., 605
Ego, 445
Eighth International Congress of Psychology, 154
Einfühlung, 8, 23
Emotion, 59 ff., 464; insanity and, 149; measurement of, 303
Empirical psychology, 475
Entopic phenomena, 581
Equilibrium, organic, 298
Esthetic triad, 25
Esthetics, psychology of, 21
Events, analysis, of, 139
Evolution, of concepts, 639 ff.; cosmic, 296; emergent, 466, 483
Expectation, 600
Experience, course of, 266 ff.; esthetic, 26
Experimentalists, 498
Extraversion, 651
Eye, dominant, 327
Eyedness, handness and, 327 ff.; orientation and, 355
Eye-movements, autokinetic sensation and, 582; fluctuations of attention and, 554 ff., 560 ff.; types of, 555 ff., 560

Facilitation, cerebral, 573 ff.; retinal, 575
Fatigue, auditory, 39 ff., 49 ff., 106, 264; central, and attention, 568 ff., 573 ff.; handedness and, 320; non-specificity of, 50 ff.; and stimulus, 52; and tension, 244 ff.; theory of attention, 565
Fechner's law, 259, 381
Feelings, 157 ff.; ambiguity of, 164 ff.; characteristics of, 159 ff., 167 ff., 174 ff.; value and, 166
Field, phenomenal, 192; psychological, 139; reversal of, 197
Figure-ground, 194 ff., 222 ff.; brightness-difference between, 213, 217; localization of, 208 ff.; simplest, 201; time and, 200 ff., 217
Finger prints, 344
Flash image, 513
Flight of colors, 584 ff.; duration of, 594; phases in, 586 ff., 591
Fluctuations, of attention, 534 ff., 578 ff.; and breathing, 537; and eye-movements, 554, 560 ff.; as function of intensity, 544 ff.; period of, 551 ff.; and phi-gamma hypothesis, 548 ff.; origin of, 535; rhythm of, 535, 539, 551; of sound, 538 f., 550; theory of, 535 ff., 565 ff.; of touch, 540
Food, sex and, as incentives, 403
Foot, spade, 326
Force, fields of kinaesthetic, 597
Forgetting, 287
Form, 194 ff.; and experience, 268
Freedom, 37
Fusion, 198; association and, 627 ff.; as configuration, 638; criteria of, 633; degrees of, 632 ff., 638; and familiarity, 628 ff.; non-musical, 624 ff.; and pleasantness, 628 ff.; theories of, 626; tonal, 258, 626; and unitariness, 628 ff.; and vibration-ratio, 628

Galvanometer, measuring personality, 128
Genius, 28, 152
Geometry, phenomenal, 606
Gestalt, 143 ff., 194 ff., 200, 625, 637, 654, 665
Grades, college, 484
Gregariousness, 6

Hair, removal of, 16
Habit, 22 ff., 30, 137, 458; manual, 317
Halo, figure and, 213 f., 225
Handedness, 317 ff.; eyedness and, 327; sex and, 326; speech defects and, 360 ff.; temperament and, 358 ff.; types of and intelligence, 349
Hearing, theory of, 257 ff., 436
Heat, experience of, 418 ff.; analysis of, 418 ff.; after-image of, 428 f.; in the psychological continuum, 423
Heredity, 657; handedness and, 327
Hering after-image, 508
Heymans' law, 545, 558, 575
Hyperphoria, 327
Hypnosis, 457
Hypnotism, 315
Hysteria, 651

Ideas, 22
Image, double, 105; heat, 428 f.; sound, 100
Imagery, types of, 667
Imitation, 657
Incest, 460
Indian Journal of Psychology, 156
Inheritance, 136
Inhibition, cerebral, 573 ff.; retinal, 575
Insanity, emotion and, 149
Instinct, 23, 136, 144, 457 ff., 467, 655
Intelligence, 305 f.; handedness and, 324 ff., 349
Intensity, frequency and, 259; range of, 260 f.; sound, 104, 257 ff.; and fatigue, 39
Interests, college student, 409
Interference, conceptual, 639 ff., 644
Intervals, melodic, 625; musical, 624
Introversion, 651

Jealousy, 6
Judgment, psychophysical, 368
Just noticeable difference, 368

Kinaesthesiometer, 598
Kinaesthesis, space, time and, 597
Kundgabe, 183

Learning, 137; disabilities in, 467; effect of, food *vs.* sex on, 403 ff.; efficiency in, 231 ff.; to typewrite, 303
Least squares, 252, 666
Limen, 252 ff., 258, 307 ff., 368 ff.; attention and, 537 ff., 544, 551 ff., 565 ff.; dark adaptation and, 522; determination of, 390 ff.; fluctuations and, 548 ff.; pain, 424 ff.; variations in, 545
Liminal stimuli, fluctuations in, 565
Linear interpolation, 390
Local characteristic, 601
Localization, auditory, 41, 97 ff., 436
Localization, of feelings, 157 ff.; of figure-ground, 208
Logic, 142

Magic, and religion, 141
Maximum stimulation, principle of, 26
Meaning, 169, 186; ambiguity of term, 164 ff.; beauty and, 37; of clothing, 9; logical, 266, 270 ff., 277 f.; self as, 444; and structure, 195, 219
Meantone scale, 624
Mechanism, 138 f., 457
Meetings, psychological, 154, 312 ff., 481 ff., 485 ff., 498
Memory, 144, 146, 285 ff.; biological, 297
Mental decline and growth, 654
Mental work, muscular tension and, 227
Midwestern Psychological Association, 485
Mimicry, 11
Minimal sensations, 534 ff., 537; fluctuations of, 554
Mind, 147 f., 296, 298 f., 458, 470; and body, 465 f.; biography of a, 134 ff.; physiology of, 302 f.; theory of, 196
Modesty, clothing and 1,
Monism, 469
Motivation, 457
Motor types, 365
Movement, apparent, 130 ff., 571; as concept for psychology, 471 ff.; tonal, 98
Muscular tension, mental work and, 227
Musical interval, fusion of non-, 624 ff.; meaning of term, 624; recognition of, 625

Musical scale, just, 624; pentatonic, 625
Musicality, nature of, 463

Nerves, motor and sensory, 258
Neurasthenia, 652
Nominalist, 652
Novelty, 56
Nutrition, tension and, 249
Nystagmus, 482

Objects, eternal, 138
Occultism, 146
Ohm's law, hearing and, 436
Orientation, eyedness and, 355
Ornaments 3; interpretation of, 10
Overlearning, 231

Pain, heat and, 418 ff.; limen of, 424 ff.; pleasure and, 467
Paired comparisons, 609
Partials, 102, 624
Perception, 145, 148; form, 466
Personality, 137; measurement of, 128
Phantasy, 632
Phase difference, 97, 438; and intensity, 438
Phases, after-image, 507 ff., 586 ff., 591 ff.; rapidity of, 595
Phi-gamma, function, 307 ff., 391; hypothesis and attention, 548 ff., 583
Phi-phenomenon, 130
Photons, 510
Pitch, 257 ff.; criteria of, 260
Play, function of, 653
Pleasantness, 157 ff.; characteristics of, 159 ff., 167 ff., 174; of colors, 607 ff.; fusion and, 628
Pleasure, 148; pain and, 467
Pluralism, 468
Position, effect of, upon memory, 286
Postulates, behavioristic, criticized, 469 ff., 669
Practice, effect in learning, 640 f.; influence of, 233
Pragmatism, 299
Preferences, brightness, 614 ff.; effect of contrast upon, 620
Pressure, 167
Primacy, law of, 285
Probable error, 252 ff., 307
Prodigy, psychology of a, 463
Psychasthenia, 652
Psychoanalysis, 33; assault on, 456, 460
Psychogalvanic reflex, 304
Psychological Abstracts, 316
Psychologists, rating of, 453
Psychology, behavioristic, 469, 660 f., 669; empirical and rational, 476 ff.; experimental, 145; genetic, 654 f.; social, 482, 655 ff.; structural, 496 f., 498 f.; teaching of, 482; trends and status in China, 487, 666
Psychophysics, 368 ff.; fundamental equation of, 380
Pudenda, covering of, 2
Pupillometer, 292
Purkinje, after-image, 507 ff.; effect, 507; explanation of, 526
Purpose, 297, 457
Pythagorean scale, 624

Quality, heat, unique, 420
Quanta, intensity, 260
Questionary, on dextrality, 321

Radicalism, tests of, 449 ff.; in women, 449
Rats, effect of food and sex upon learning of, 403
Reaction time, sensitivity and, 432
Realist, 652
Reality, science, religion and, 140
Recall, immediate and delayed, 280 ff.; influence of report upon, 280 ff.; effect of position on, 285
Recency, law of, 285
Receptor, in cochlea, 261
Recognition, 198; self and, 441
Recurrent image, 508
Reflex, 23; psychogalvanic, 304; prepotent, 655
Refractory period, 259 f., 436
Relativity, phenomenal, 191
Religion, science, reality and, 140 ff.; magic and, 141
Report, effect of, 280 ff.; types of, 170, 187, 280
Repression, 301, 460, 657; value of, 461
Research, Neilson chair of, 488
Resonance, analysis by, 257 ff.; theory of, 257 ff., 265, 436
Response, ambiguity of term, 471
Retinal rivalry, 228
Rhythm, 24; attentive, 535, 539, 551, 576, 578; color, 592
Rods, function of, 526
Roughness, tonal, 633 ff., 637

Savage society, 301
Scales, musical, 624 ff.; TBCF, 666
Schopenhauer, as psychologist, 148
Science, religion and reality, 140
Self, 148, 150; awareness of, 441
Sense perception, 257
Sensitivity, as function of, dark adaptation, 522 ff.; duration, 520 ff.; discontinuity in, 524
Sensitization effect, tonal, 54
Series, position in, and memory, 285
Set, mental and memory, 290
Sex, clothing and, 2 ff.; differences, color, 622; differences, dextrality, 326 ff.; and food as incentives in rats, 403 ff.; selection, 2; symbolism, 461
Shame, 2, 12
Sinistrality, 326 ff.; crossed, 327 ff.; and speech, 363
Sleep, 482
Social psychology, 482, 655
Sound, analysis of, 257 ff.; fluctuation of, 538 f., 550; localization, 97
Southern Society for Philosophy and Psychology, 481
Space, kinaesthesis and, 597
Speech, disorders of, 360 ff., 658
Stammering, 301, 658
Standards, aesthetic, 432
Stimulus, fluctuation between, and process, 368
Streaming phenomenon, 582
Structure, views of mental, 195
Structural differences, 340
Stuttering, 301, 658
Styles, present-day, 19
Subconscious, 457
Symbol, clothing as, 6; complex, 641
Sympathy, 655
Synaesthesis, 429
Synergy, conscious, 626

Talking, origin, 660
Teleology, 143
Telepathy, 461
Temperament, 59 ff.; handedness and, 358 ff.; phlegmatic, 451; radical and conservative, 449 ff.; tests of, 449
Tempered scale, 624
Tendencies, 317
Tension, 22 ff.; fatigue and, 244 ff.; habit and, 30; learning and, 227 ff.; mental work and, 239 ff.; nutrition and, 249; neutral activity, 249
Tensor tympani, 39
Tests, performance, 61 ff., 462 f.; use of in China, 664
Thinking, nature of, 660
Thought, behaviorism and, 660
Thumb, dominant, 333
Time, kinaesthesis and, 597
Titchener, Edward Bradford, 489
Tonal lacunae, 436
Tonal mass, 627
Tonal occlusion, 633
Tone, 39 ff., 257 ff., 624
Tonicity, muscular, 227
Totemism, 18
Transfer, 363
Traube-Hering waves, 540, 576, 578
Tropism, 23
Types, psychological, 651 ff.; based on functions, 653
Typewrite, learning to, 303

Ulna plus 340
Uncertainty, interval of, 252
Understanding of words, imagery and, 667
Unidextrality, 317 ff.,; 337
Universals, 142
Unpleasantness, 157 ff.; characteristics of, 159 ff., 167 ff., 174

Value, 305; art and, 35, 38; consciousness of, 21 ff.; feeling and, 166
Velocity, arm-movement, 605
Ventilation, study in, 465
Visual, after-images, 507 ff.; forms, 194 ff., 197
Vitalism, 139
Volume, auditory, 438
Voluntarism, 149

Weber-Fechner law, 260, 381
Will, 148, 150; and tension, 250
Wish-fulfillment, behaviorism as a form of, 662
'Wolf children,' 313
Words, function of, in thinking, 660
Work, mental, 229
Wundt, W., 491 ff., 504